

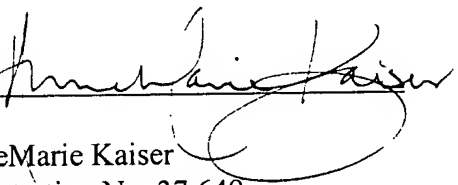
Application No.: 10/033,246
Filed: December 27, 2001

New Claims 22-33 and 35 have been amended in order to correct an inadvertent misnumbering of Figure number and SEQ ID NO. Applicants respectfully request early entry of these new claims for prosecution in this application. The Examiner is invited to contact the undersigned at (619)235-8550 if any issues may be resolved in that manner.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned "Version with markings to show changes made."

Respectfully submitted,
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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the claims:

Claim 22 has been amended as follows:

22. (Amended) An isolated nucleic acid having at least 80% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~)), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

Claim 23 has been amended as follows:

23. (Amended) The isolated nucleic acid of Claim 22 having at least 85% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID

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NO:2422), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

Claim 24 has been amended as follows:

24. (Amended) The isolated nucleic acid of Claim 22 having at least 90% nucleic acid sequence identity to:

(a) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422);

(b) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422);

(d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;

(e) the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321);

(f) the full-length coding sequence of the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

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Claim 25 has been amended as follows:

25. (Amended) The isolated nucleic acid of Claim 22 having at least 95% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;
- (e) the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

Claim 26 has been amended as follows:

26. (Amended) The isolated nucleic acid of Claim 22 having at least 99% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown

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in Figure ~~4716~~ (SEQ ID NO:~~2422~~), lacking its associated signal peptide;

- (e) the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

Claim 27 has been amended as follows:

27. (Amended) An isolated nucleic acid comprising:
- (a) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~);
 - (b) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~), lacking its associated signal peptide;
 - (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~);
 - (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~);
 - (f) the full-length coding sequence of the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~); or
 - (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

Claim 28 has been amended as follows:

28. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~).

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Claim 29 has been amended as follows:

29. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~), lacking its associated signal peptide.

Claim 30 has been amended as follows:

30. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~).

Claim 31 has been amended as follows:

31. (Amended) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~), lacking its associated signal peptide.

Claim 32 has been amended as follows:

32. (Amended) The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~).

Claim 33 has been amended as follows:

33. (Amended) The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the nucleic acid sequence shown in Figure ~~4615~~ (SEQ ID NO:~~2321~~).

Claim 35 has been amended as follows:

35. (Amended) An isolated nucleic acid that hybridizes to:
(a) a nucleic acid sequence encoding the polypeptide shown in Figure ~~4716~~ (SEQ ID NO:~~2422~~);

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- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 4716 (SEQ ID NO:2422), lacking its associated signal peptide;
- (e) the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 4615 (SEQ ID NO:2321); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 203651.

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